

CLAIMS

What is claimed is:

- 1 1. A printed circuit board (PCB) comprising:
1294
- 2 1873 a substrate having a first edge portion and including a ground layer therein;
1789
- 3 a substantially U-shaped device secured to said PCB to provide a cover for said first edge
- 4 portion; and
- 5 connection means for electrically coupling said substantially U-shaped device to said
- 6 ground layer within said substrate, said substantially U-shaped device substantially
- 7 preventing electromagnetic radiation from being emitted from said first edge portion.
- 1 2. 1294 The PCB of claim 1 wherein said substantially U-shaped device is flexible.
- 2 3. 1873 The PCB of claim 1 wherein said substantially U-shaped device comprises first and
- 3 second substantially L-shaped parts.
- 1 4. 1873 The PCB of claim 3 wherein one of said L-shaped parts includes a cavity therein and the
- 2 other of said L-shaped parts is movably positioned within said cavity.
- 1 5. 1873 The PCB of claim 3 wherein one of said L-shaped parts includes a cavity therein and the
- 2 other of said L-shaped parts includes a compressible projecting part adapted for being
- 3 compressibly retained within said cavity.
- 1 6. 1294 The PCB of claim 1 wherein said substantially U-shaped device is of unitary construction.
1789

1 7. The PCB of claim 6 further including at least one conductive plate movably positioned
2 within said substantially U-shaped device to be electrically coupled to said ground layer
3 within said PCB.

1 8. The PCB of claim 7 further including means for engaging said at least one conductive
2 plate to cause said plate to move within said substantially U-shaped device.

1 9. The PCB of claim 8 wherein said means for engaging said at least one conductive plate
2 comprises a screw.

1 10. The PCB of claim 8 wherein said conductive plate further includes a wedge-shaped
2 member which movably engages said substantially U-shaped device during said
3 movement within said device.

1 11. The PCB of claim 1 wherein said PCB further includes electrically conductive vias or
2 plated through holes (PTHs) as part thereof and coupled to said ground layer, said
3 connection means including a plurality of projecting pins adapted for electrically
4 contacting said conductive vias or said PTHs when said substantially U-shaped device is
5 secured to said PCB.

1 12. The PCB of claim 11 wherein said projecting pins are press-fit or compliant pins.

1 13. The invention of claim 1 wherein said PCB is adapted for being positioned within a rack
2 or chassis, said PCB including means for electrically coupling said substantially
3 U-shaped device to said rack or chassis.

1 14. The invention of claim 13 wherein said means for electrically coupling said substantially
2 U-shaped device to said rack or chassis comprises a projecting ledge, said projecting
3 ledge adapted for slidably engaging said rack or chassis.

